

CA2004001421



(19)

(11) Publication number:

61

Generated Document.

PATENT ABSTRACTS OF JAPAN

(21) Application number: 58114295

(51) Intl. Cl.: C07D327/04 A01N 43/12

(22) Application date: 27.06.83

(30) Priority:	(71) Applicant: SHOWA DENKO KK
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**(54) BENZOXATHIOL-2-ONE
DERIVATIVE AND
AGRICULTURAL AND
HORTICULTURAL
FUNGICIDE**

(57) Abstract:

NEW MATERIAL: A 1,3-benzoxathiol-2-one derivative shown by the formula I [R1 is 1W3C alkyl, or aryl, N,N-dimethylcarbonyl, alkylsulfonyl (1W3C), alkylcarbamoxyloxy (1W4C), alkylthiocarbonyl (1W2C); R2 is H, OCH2, group shown by the formula II; R3 is H, or Cl; R4 is H, or OCH3].

EXAMPLE: 5-N,N-Dimethylcarbamoxy-1,3-benzoxathiol-2-one.

USE: Useful as an agricultural and horticultural fungicide. For example, effective against blast of paddy rice plant, alternaria blotch, blight of potato, etc.

PREPARATION: A 1,3-

benzoxathiole derivative shown by the formula III, for example, is reacted with a compound shown by the formula R₅X (R₅ is 1W3C alkylalkene, etc.; X is Cl, etc.) as a binder in an inert organic solvent at a reaction temperature from room temperature W the boiling point of the solvent, to give a compound shown by the formula I.

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